

# Course Change Request

Date Submitted: 07/07/20 10:11 am

Viewing: **GGS 463 : RS: GIS Analysis and Application** ~~Applied Geographic Information Systems~~

Last approved: 05/12/20 4:45 am

Last edit: 11/17/20 12:46 pm

Changes proposed by: tleslie

Catalog Pages  
referencing this  
course

[Department of Geography and Geoinformation Science](#)  
[Geography and Geoinformation Science \(GGS\)](#)

Select modification type:

## In Workflow

1. Registrar-Courses:Title Change
2. GGS Chair
3. SC Curriculum Committee
4. SC Associate Dean
5. Assoc Provost-Undergraduate
6. Registrar-Courses
7. Banner

## Approval Path

1. 07/10/20 9:17 am  
Tory Sarro (vsarro):  
Approved for Registrar-Courses:Title Change
2. 11/17/20 2:25 pm  
Nathan Burtch (nburtch): Approved for GGS Chair

## History

1. Mar 30, 2018 by Rebekah Zacharias (rzachari)
2. Jun 19, 2018 by Rebekah Zacharias (rzachari)
3. Dec 20, 2018 by Nathan Burtch (nburtch)

4. Mar 20, 2020 by  
Tory Sarro (vsarro)
5. May 12, 2020 by  
Tory Sarro (vsarro)

Substantial

**Are you completing this form on someone else's behalf?**

No

**Effective Term:** Spring 2021**Subject Code:** GGS - Geography & Geoinformation Science      **Course Number:** 463**Bundled Courses:****Is this course replacing another course?** No**Equivalent Courses:****Catalog Title:** RS: **GIS Analysis and Application** ~~Applied Geographic Information Systems~~**Banner Title:** **RS: GIS Analysis / Application**  
~~RS: Applied Geographic Info Sys~~**Will section titles vary by semester?** No**Credits:** 3**Schedule Type:** Lecture**Hours of Lecture or Seminar per week:** 3**Repeatable:** May be only taken once for credit, limited to 3 attempts (N3)      **Max Allowable Credits:**  
9**Default Grade Mode:** Undergraduate Regular**Recommended Prerequisite(s):****Recommended Corequisite(s):**

**Required  
Prerequisite(s) /  
Corequisite(s)  
(Updates only):**

**Registrar's Office Use Only - Required Prerequisite(s)/Corequisite(s):**

And/Or	(	Course/Test Code	Min Grade/Score	Academic Level	)	Concurrency?
	(	GGS 300	C	UG		
Or		GGS 300	XS	UG		
Or		GGS L300	T	UG		
Or		GGS 300T	T	UG	)	
And	(	GGS 311	C	UG		
Or		GGS 311	XS	UG		
Or		GGS 311T	T	UG		
Or		GGS L311	T	UG	)	

**Registration  
Restrictions  
(Updates only):**

**Registrar's Office Use Only - Registration Restrictions:**

**Field(s) of Study:**

**Class(es):**

**Level(s):**

**Degree(s):**

**School(s):**

**Catalog**

**Description:**

**Explores existing and potential capabilities of Selected applications in** geographic information systems **in conducting spatial analysis and modeling. (GIS).** Topics include ~~automated data capturing and processing,~~ spatial data **acquisition and models and structure including object-oriented approach,** advanced spatial analytical **techniques. techniques including raster modeling and network analysis, programming, and algorithm development in GIS. Major purpose of course is to extend fundamental theories and concepts in GIS so students are able to conduct research with and on GIS.**

**Justification:**

What:

Update title and catalog description as part of effort to keep undergraduate and graduate curriculum in sync and catalog copy accurate. In particular, this syncs titles and descriptions of GGS 463 and GGS 653

Why:

There are several reasons why GGS is aligning upper level undergraduate courses with graduate courses. The new course title and description more accurately depicts the modern content of the course. The alignment also makes it easier to potentially crosslist the undergraduate/graduate courses, allowing GGS to better deploy faculty teaching assignments. The department is also expecting more BAM students, and these alignments make logistics for BAM students and advisors easier by establishing consistent graduate level equivalencies to undergraduate courses.

**Does this course cover material which crosses into another department?** No

**Learning Outcomes:**

**Attach Syllabus**

**Additional Attachments**

[Re\\_GGS Course Title Changes.pdf](#)

**Specialized Course**

**Categories:**

Mason Impact

## Application for Mason Impact

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**Select the requested Mason**

**Impact designation:**

MI + Research/Scholarship Intensive (RS)

### MI + Research/Scholarship Intensive (RS)

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**I. Course must meet the following learning outcomes:**

Students will understand how knowledge is generated and communicated, and how it can be used to address questions or problems in disciplines and in society.

Students will be able to identify and negotiate multiple perspectives, work collaboratively within and across multiple social and environmental contexts, and engage ethically with their subject and with others.

Students will use inquiry skills to articulate a question; engage in an inquiry process; and situate the concepts, practices, or results within a broader context.

Students will design and carry out an individual or collaborative project that explores an original question, seeks a creative solution to a problem, applies knowledge to a professional challenge, or offers a unique perspective.

Students engage deeply in this original work.

Students will communicate knowledge from their project through presentation, publication, or performance to an audience beyond the classroom.

## II.

I affirm that I have attached the following using the syllabus and attachment buttons provided above: (see “?” for help with submission)

## III.

Syllabus Containing:

Mason Impact Logo

Description of how your course connects with the Mason Impact.

Mason Impact Learning Objectives. Feel free to use our language or write your own. Please make the pertinent objectives bold for ease of review.

## IV.

Narrative Statement Containing:

**(A) What is the rationale for designating this course as Entrepreneurship?**

**(B) Explain how this course meets the course criteria?**

**(C) How does your course fit into the educational career of an average student enrolled in the course?**

**(D) How will student work meet the project criteria?**

**(E) How does student learning progress through the course to aid students in the development of the skills needed to complete their project?**

**(F) Scaffold Map**

## V.

Letter of Support from chair or dean

**Select any additional SaS learning outcomes which the course meets:**

**Describe how the course meets the required student learning outcomes and the selected methods outcome(s):**

**How will the course be supported by the appropriate subject area librarian?**

**Attach Curriculum Map** [ggs463.pdf](#)

**Please affirm the following:**

**List Responsible Faculty Members:**

**The department has or will have an undergraduate research student learning outcome and will use the data for this course in Academic Program Review.**

**Additional Comments:**

**Reviewer Comments**

**Tory Sarro (vsarro) (07/08/20 2:35 pm):** Attaching confirmation from initiator that the title change is not being submitted with course content changes. Title change is intended to clarify existing course.

Key: 7426